

**VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION
FORM D: MUNICIPAL EFFLUENT AND BIOSOLIDS**

PART D-VI: LAND APPLICATION AGREEMENT - BIOSOLIDS AND INDUSTRIAL RESIDUALS

A. This land application agreement is made on 3/7/16 between Brian Williams referred to here as "Landowner", and Nutri-Blend Inc., referred to here as the "Permittee". This agreement remains in effect until it is terminated in writing by either party or, with respect to those parcels that are retained by the Landowner in the event of a sale of one or more parcels, until ownership of all parcels changes. If ownership of individual parcels identified in this agreement changes, those parcels for which ownership has changed will no longer be authorized to receive biosolids or industrial residuals under this agreement.

Landowner:

The Landowner is the owner of record of the real property located in Amelia, Virginia, which includes the agricultural, silvicultural or reclamation sites identified below in Table 1 and identified on the tax map(s) attached as Exhibit A.

Table 1.: Parcels authorized to receive biosolids, water treatment residuals or other industrial sludges

Tax Parcel ID	Tax Parcel ID	Tax Parcel ID	Tax Parcel ID
72-11	72-14A	73-3	
72-12	72-21		
72-13	72-22		
72-14	73-2		

☐ Additional parcels containing Land Application Sites are identified on Supplement A (check if applicable)

Check one:

- ☒ The Landowner is the sole owner of the properties identified herein.
☐ The Landowner is one of multiple owners of the properties identified herein.

In the event that the Landowner sells or transfers all or part of the property to which biosolids have been applied within 38 months of the latest date of biosolids application, the Landowner shall:

1. Notify the purchaser or transferee of the applicable public access and crop management restrictions no later than the date of the property transfer; and
2. Notify the Permittee of the sale within two weeks following property transfer.

The Landowner has no other agreements for land application on the fields identified herein. The Landowner will notify the Permittee immediately if conditions change such that the fields are no longer available to the Permittee for application or any part of this agreement becomes invalid or the information herein contained becomes incorrect.

The Landowner hereby grants permission to the Permittee to land apply residuals as specified below, on the agricultural sites identified above and in Exhibit A. The Landowner also grants permission for DEQ staff to conduct inspections on the land identified above, before, during or after land application of permitted residuals for the purpose of determining compliance with regulatory requirements applicable to such application.

<u>Class B biosolids</u>	<u>Water treatment residuals</u>	<u>Food processing waste</u>	<u>Other industrial sludges</u>
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No

Brian J. Williams
Landowner - Printed Name, Title

[Signature]
Signature

10795 Baltimore Rd Ford VA,
Mailing Address
23850

Permittee:

Nutri-Blend Inc., the Permittee, agrees to apply biosolids and/or industrial residuals on the Landowner's land in the manner authorized by the VPA Permit Regulation and in amounts not to exceed the rates identified in the nutrient management plan prepared for each land application field by a person certified in accordance with §10.1-104.2 of the Code of Virginia.

The Permittee agrees to notify the Landowner or the Landowner's designee of the proposed schedule for land application and specifically prior to any particular application to the Landowner's land. Notice shall include the source of residuals to be applied.

☐ I reviewed the document(s) assigning signatory authority to the person signing for landowner above. I will make a copy of this document(s) available to DEQ for review upon request. (Do not check this box if the landowner signs this agreement)

Bill Burnett
Permittee - Authorized Representative
Printed Name

Bill Burnett
Signature

Nutri-Blend, Inc.
PO Box 38060
Henrico, VA 23231

DEQ VALLEY

MAY 05 2016
To: _____
Date: _____

VIRGINIA POLLUTION ABATEMENT PERMIT APPLICATION: PART D-VI LAND APPLICATION AGREEMENT

Permittee: Nutri-Blend County or City: Amelia

Landowner: [Signature]

Landowner Site Management Requirements:

I, the Landowner, I have received a DEQ Biosolids Fact Sheet that includes information regarding regulations governing the land application of biosolids, the components of biosolids and proper handling and land application of biosolids.

I have also been expressly advised by the Permittee that the site management requirements and site access restrictions identified below must be complied with after biosolids have been applied on my property in order to protect public health, and that I am responsible for the implementation of these practices.

I agree to implement the following site management practices at each site under my ownership following the land application of biosolids at the site:

1. Notification Signs: I will not remove any signs posted by the Permittee for the purpose of identifying my field as a biosolids land application site, unless requested by the Permittee, until at least 30 days after land application at that site is completed.
2. Public Access
 - a. Public access to land with a high potential for public exposure shall be restricted for at least one year following any application of biosolids.
 - b. Public access to land with a low potential for public exposure shall be restricted for at least 30 days following any application of biosolids. No biosolids amended soil shall be excavated or removed from the site during this same period of time unless adequate provisions are made to prevent public exposure to soil, dusts or aerosols;
 - c. Turf grown on land where biosolids are applied shall not be harvested for one year after application of biosolids when the harvested turf is placed on either land with a high potential for public exposure or a lawn, unless otherwise specified by DEQ.
3. Crop Restrictions:
 - a. Food crops with harvested parts that touch the biosolids/soil mixture and are totally above the land surface shall not be harvested for 14 months after the application of biosolids.
 - b. Food crops with harvested parts below the surface of the land shall not be harvested for 20 months after the application of biosolids when the biosolids remain on the land surface for a time period of four (4) or more months prior to incorporation into the soil,
 - c. Food crops with harvested parts below the surface of the land shall not be harvested for 38 months when the biosolids remain on the land surface for a time period of less than four (4) months prior to incorporation.
 - d. Other food crops and fiber crops shall not be harvested for 30 days after the application of biosolids;
 - e. Feed crops shall not be harvested for 30 days after the application of biosolids (60 days if fed to lactating dairy animals).
4. Livestock Access Restrictions:

Following biosolids application to pasture or hayland sites:

 - a. Meat producing livestock shall not be grazed for 30 days,
 - b. Lactating dairy animals shall not be grazed for a minimum of 60 days.
 - c. Other animals shall be restricted from grazing for 30 days;
5. Supplemental commercial fertilizer or manure applications will be coordinated with the biosolids and industrial residuals applications such that the total crop needs for nutrients are not exceeded as identified in the nutrient management plan developed by a person certified in accordance with §10.1-104.2 of the Code of Virginia;
6. Tobacco, because it has been shown to accumulate cadmium, should not be grown on the Landowner's land for three years following the application of biosolids or industrial residuals which bear cadmium equal to or exceeding 0.45 pounds/acre (0.5 kilograms/hectare).

DEQ VALLEY

MAY 05 2016

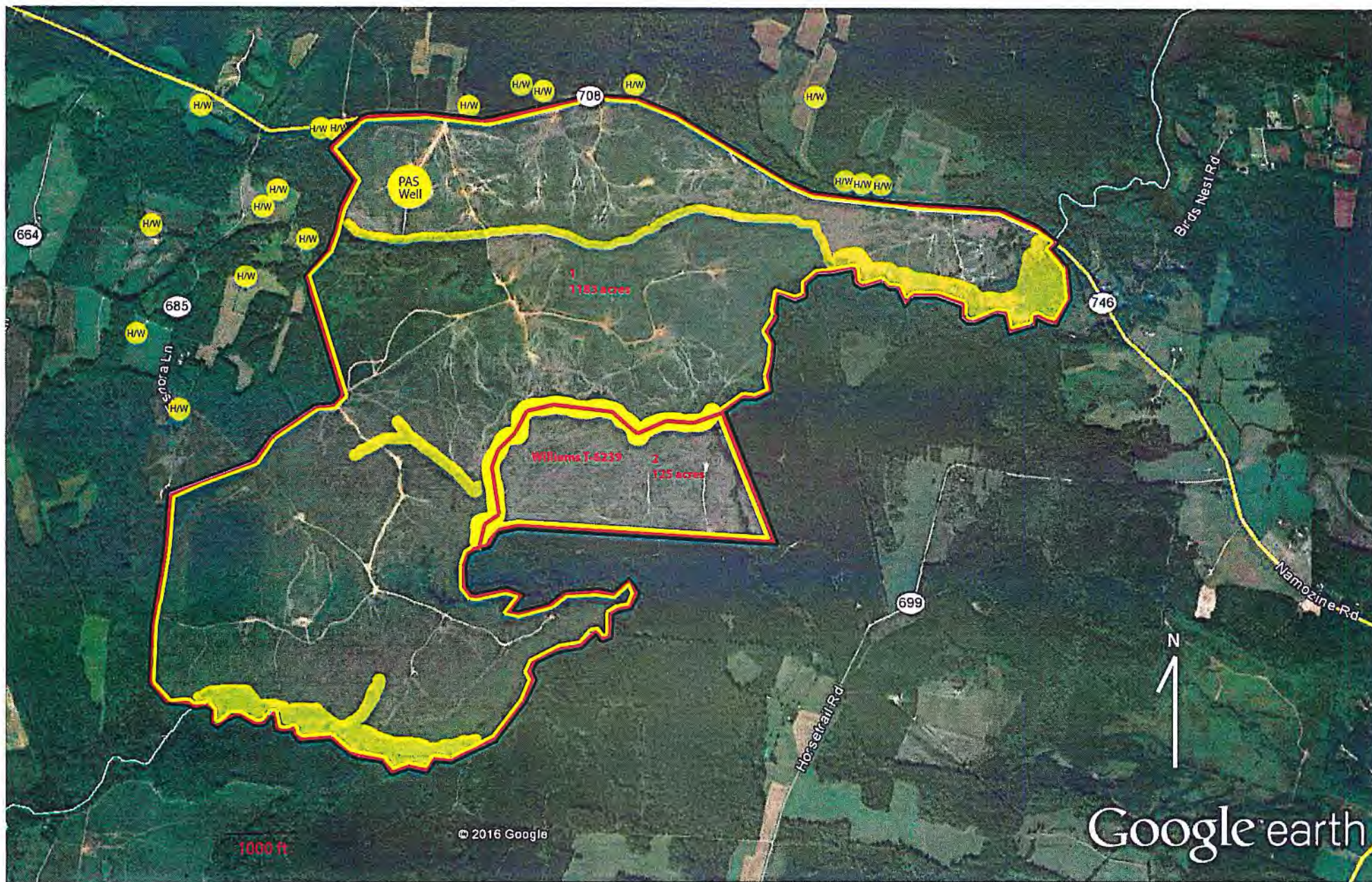
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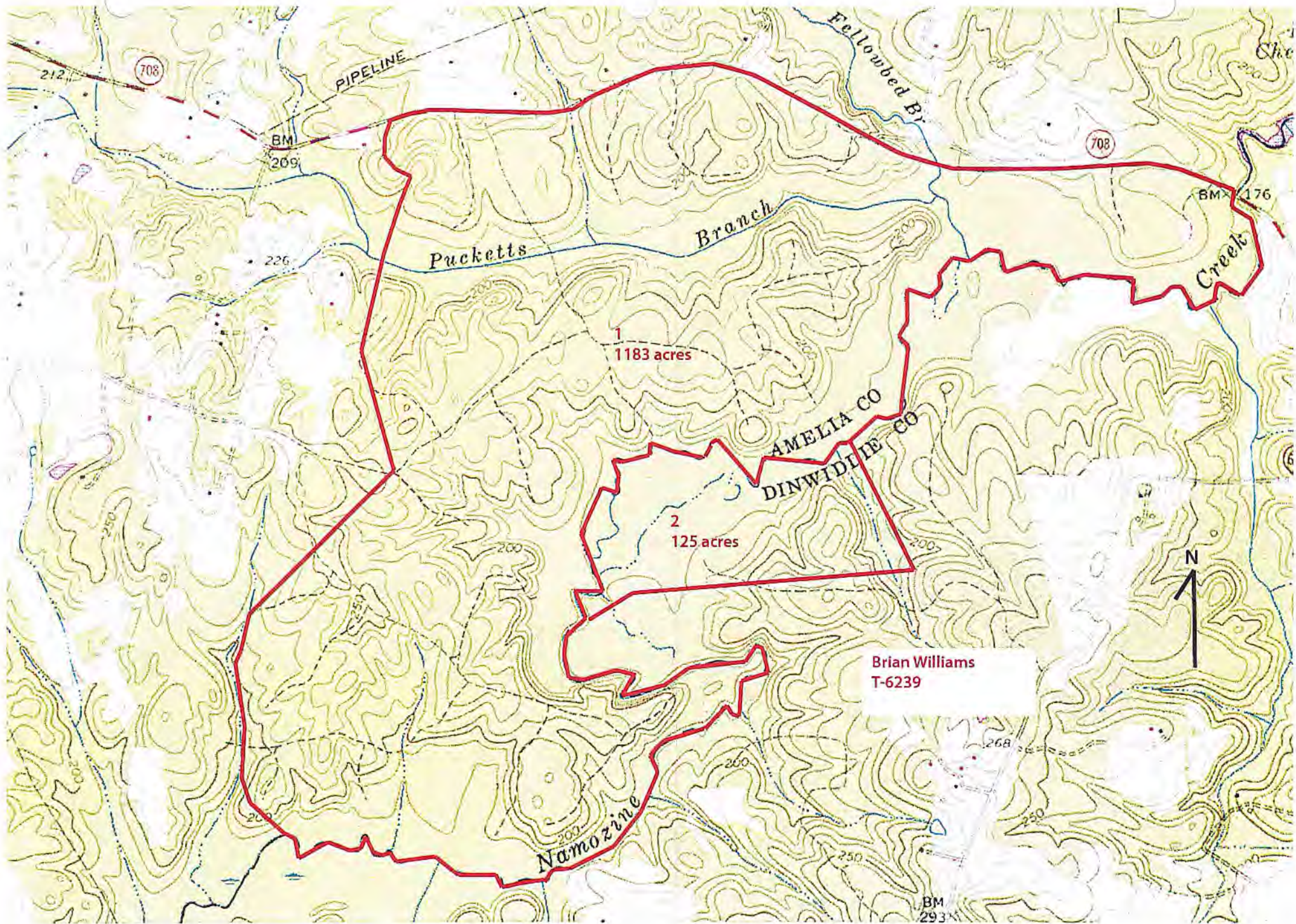
Landowner's Signature

Date

Phone: 804-898-1539

3/7/16





Williams
Tract T-6239
Field Data Sheet


Field	Total	Tract Coordinates		Tax I.D.	Watershed	Landowner	Operator	Land
	Acres	Latitude	Longitude		Codes			Type
1	1183.0	37.24053	-77.68228	72-11	JA37	Brian Williams	Brian Williams	Sivilcultural
				72-12	JA37			
				72-13	JA37			
				72-14	JA37			
				72-14A	JA37			
				72-21	JA37			
				72-22	JA37			
2	125.0	37.23318	-77.68214	73-2	JA37			
				73-3	JA37			
SUM	1308.0							

Contact: Brian Williams 804-898-1539


[illegible]


MAP LEGEND


Area of Interest (AOI)

 Area of Interest (AOI)


Soils


 Soil Map Unit Polygons


 Soil Map Unit Lines


 Soil Map Unit Points


Special Point Features


 Blowout


 Borrow Pit


 Clay Spot


 Closed Depression


 Gravel Pit


 Gravelly Spot


 Landfill


 Lava Flow


 Marsh or swamp


 Mine or Quarry


 Miscellaneous Water

 Perennial Water


 Rock Outcrop


 Saline Spot


 Sandy Spot


 Severely Eroded Spot


 Sinkhole


 Slide or Slip


 Sodic Spot


 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features


 Streams and Canals


Transportation

 Rails


 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: <http://websoilsurvey.nrcs.usda.gov>
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Amelia County, Virginia
Survey Area Data: Version 12, Dec 11, 2013

Soil Survey Area: Dinwiddie County Area, Virginia
Survey Area Data: Version 2, Dec 11, 2013

Your area of interest (AOI) includes more than one soil survey area. These survey areas may have been mapped at different scales, with a different land use in mind, at different times, or at different levels of detail. This may result in map unit symbols, soil properties, and interpretations that do not completely agree across soil survey area boundaries.

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jul 4, 2010—Nov 8, 2010

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Amelia County, Virginia (VA007)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
1B	Appling fine sandy loam, 2 to 7 percent slopes	9.0	0.7%
1C	Appling fine sandy loam, 7 to 15 percent slopes	11.1	0.8%
4A	Chastain silty clay loam, 0 to 1 percent slopes, frequently flooded	86.3	6.3%
5A	Chewacla silt loam, 0 to 2 percent slopes, frequently flooded	176.8	12.9%
6B	Cid loam, 2 to 7 percent slopes	34.0	2.5%
9A	Dogue fine sandy loam, 0 to 2 percent slopes, rarely flooded	29.1	2.1%
9B	Dogue fine sandy loam, 2 to 7 percent slopes, rarely flooded	27.2	2.0%
10B	Georgeville silt loam, 2 to 7 percent slopes	282.5	20.6%
10C	Georgeville silt loam, 7 to 15 percent slopes	278.6	20.3%
11B	Helena fine sandy loam, 2 to 7 percent slopes	21.8	1.6%
16A	Partlow fine sandy loam, 0 to 2 percent slopes, rarely flooded	15.4	1.1%
17A	Roanoke fine sandy loam, 0 to 2 percent slopes, rarely flooded	68.5	5.0%
21D	Wedowee-Poindexter complex, 15 to 25 percent slopes	77.4	5.6%
22B	Winnsboro sandy loam, 2 to 7 percent slopes	63.9	4.7%
22C	Winnsboro sandy loam, 7 to 15 percent slopes	37.5	2.7%
W	Water	3.8	0.3%
Subtotals for Soil Survey Area		1,222.8	89.1%
Totals for Area of Interest		1,372.3	100.0%

Dinwiddie County Area, Virginia (VA653)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
8B	Georgeville silt loam, 2 to 7 percent slopes	9.6	0.7%
8C	Georgeville silt loam, 7 to 15 percent slopes	1.1	0.1%

Dinwiddie County Area, Virginia (VA653)			
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
8D	Georgeville silt loam, 15 to 25 percent slopes	0.3	0.0%
10B	Herndon loam, 2 to 7 percent slopes	10.8	0.8%
10C	Herndon loam, 7 to 15 percent slopes	20.8	1.5%
11B	Iredell loam, 2 to 7 percent slopes	7.1	0.5%
11C	Iredell loam, 7 to 15 percent slopes	1.7	0.1%
16A	Roanoke loam, 0 to 2 percent slopes, occasionally flooded	98.0	7.1%
Subtotals for Soil Survey Area		149.5	10.9%
Totals for Area of Interest		1,372.3	100.0%



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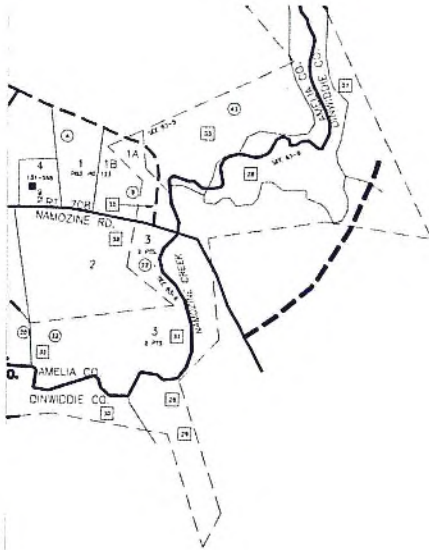
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SECTION 72

AMELIA COUNTY

63



72



JACKSON DISTRICT

SECTION 73